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United States Patent [19]**Krieter**[11] **Patent Number:** **5,526,411**[45] **Date of Patent:** **Jun. 11, 1996**

[54] **INTEGRATED HAND-HELD PORTABLE
TELEPHONE AND PERSONAL COMPUTING
DEVICE**

[75] Inventor: **Marcus A. Krieter**, Irvine, Calif.

[73] Assignee: **Radio, Computer & Telephone
Corporation**, Minnetonka, Minn.

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 929,686, Aug. 13, 1992, abandoned.

[51] Int. Cl.⁶ **H04M 1/00**; H04M 1100

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379/434

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Primary Examiner—Jason Chan

Attorney, Agent, or Firm—Patterson & Keough

[57] **ABSTRACT**

An integrated portable phone and personal computing device has a hand-held body structure that allows the device to be comfortably held as a telephone receiver, yet is configured in such a way as not to decrease the computing capabilities of the device. The body structure provides for a display screen and input unit on a front surface of the device with a speaker and a microphone located on a side surface of the device. The arrangement for the body structure increases the useable surface area for both the display screen and input unit by providing for a combined display screen and input unit on the front surface. An activation key on the side of the unit inhibits data entry on the input unit when the device is being held as a telephone receiver without the need for a cover over the input unit. The arrangement for the body structure also decreases the overall width of the device by providing for structure that expands the width of a portion of the side surface around the speaker to a width that is larger and more comfortable as an ear piece for a telephone receiver.

9 Claims, 3 Drawing Sheets

